

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		09/617,318
	Filing Date		Jul 17, 2000
	First Named Inventor	David N. Roundhill	
	Art Unit	3777	
	Examiner Name	Mark D. Remaly	
	Attorney Docket Number	500789.01 (P029756.US.01)	

U.S.PATENTS

Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		4,714,846		Dec. 22, 1987	Pesque et al.	
		5,034,931		Jul. 23, 1991	Wells	
		5,158,071		Oct. 27, 1992	Umemura et al.	
		5,255,683		Oct. 26, 1993	Monaghan	
		5,526,816		Jun. 18, 1996	Arditi	
		5,897,500		Apr. 27, 1999	Zhao	
		6,048,316		Apr. 11, 2000	Zhao et al.	

U.S.PATENT APPLICATION PUBLICATIONS

Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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FOREIGN PATENT DOCUMENTS

Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T ⁵
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NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵
		AVERKIOU, et al., "Measurements of harmonic generation in a focused finite-amplitude sound beam", J Acoust Soc Am, Volume 98(6), 1995, 3439-3442	
		BURNS, et al., "Harmonic Imaging, Principles and Preliminary Results", Angiology The Journal of Vascular Diseases, Volume 47(7) Part 2, 1996, S63-S74	

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		BURNS, et al., "Harmonic power mode Doppler using microbubble contrast agents An improved method for small vessel flow imaging", JEMU, Volume 16(4), 1994, 132-142	
		CARSTENSEN, et al., "Demonstration of nonlinear acoustical effects at biomedical frequencies and intensities", Ultrasound in Med & Biol, Volume 6, 359-368	
		CHRISTOPHER, , "Finite Amplitude Distortion-Based Inhomogeneous Pulse Echo Ultrasonic Imaging", IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, Volume 44(1), 1997, 125-139	
		DUNN, et al., "Nonlinear Ultrasonic Wave Propagation in Biological Materials", Ultrasonics Symposium, 1981, 527-532	
		ICHIDA, et al., "Imaging the nonlinear ultrasonic parameter of a medium", Ultrasonic Imaging, 1983, 295-299	
		LAW, et al., "Ultrasonic determination of the nonlinearity parameter B/A for biological media", J Acoust Soc Am, Volume 69(4), 1981, 1210-1212	
		MUIR, et al., "Prediction on nonlinear acoustic effects at biomedical frequencies and intensities", Ultrasound in Med & Biol, Volume 6, 1980, 345-357	
		SCHROPE, et al., "Second Harmonic Blood Perfusion Measurement", Ultrasound in Med & Biol, Volume 19(7), 1993, 567-579	

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		SCHROPE, et al., "Simulated capillary blood flow measurement using a nonlinear ultrasonic contrast agent", Ultrasonic Imaging, Volume 14, 1992, 134-158	
		STARRITT, et al., "Evidence for ultrasonic finite-amplitude distortion in muscle using medical equipment", J Acoust Soc Am, Volume 77(1), 1985, 302-306	
		STARRITT, et al., "The development of harmonic distortion in pulsed finite-amplitude ultrasound passing through liver", Phys Med Biol, Volume 31(12), 1986, 1401-1409	
		WANG, "Acoustical Imaging, Visualization and Characterization", 1980, 92-101	
		WARD, et al., "Nonlinear propagation applied to the improvement of resolution in diagnostic medical ultrasound", J Acoust Soc Am, Volume 101(1), 1997, 143-154	

EXAMINER SIGNATURE

Examiner Signature		Date Considered	
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>			
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